

CLAIMS:

1. A security system for wireless networks, comprising:
a first portable unit (1) with a memory (3) for storing a worldwide unambiguous key record (4) provided for short-range information transmission of the key record (4), and
5 at least one receiving unit (7) in at least one wireless apparatus (2) of the network, comprising a receiver (9) for receiving the key record (4) and an evaluation component (11) of the apparatus for storing, processing and/or passing on the key record (4) or a part of the key record to a second component.
- 10 2. A security system as claimed in claim 1, characterized in that the worldwide unambiguous key record (4) in the memory (3) of the portable unit (1) is predetermined by the manufacturer.
3. A security system as claimed in claim 1 or 2, characterized in that the portable
15 unit (1) comprises an input device (50) for providing a key record to the memory (3).
4. A security system as claimed in claim 3, characterized in that the input device (50) is adapted to detect biometric characteristics of a user and derive a key record from and/or authenticate the user by means of said biometric characteristics.
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5. A security system as claimed in claim 3 or 4, characterized in that the portable unit (1) is adapted to erase a key record provided by means of the input device (50) from the memory (3) after a predetermined period of time and/or after a processing procedure.
- 25 6. A security system as claimed in claim 1, characterized in that the first unit (1) comprises a triggering unit (5) for triggering a short-range transmission of the key record.

7. A security system as claimed in claim 1, characterized in that, upon a user's approach to the receiving unit (7), a detector unit in the unit (1) triggers the short-range information transmission of the key record (4).

5 8. A security system as claimed in any one of claims 1 to 5, characterized in that a key generator (14) is provided in the first unit (1) or in a second unit (13) for generating a sequence of guest key records (17).

9. A security system as claimed in any one of claims 6 to 8, characterized in that
10 the first unit (1) is provided for transmitting a guest key record (17) upon activation of a second triggering unit (15).

10. A security system as claimed in claim 1 or 9, characterized in that the key record (4) and the guest key record (17) each consist of a bit sequence.

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11. A security system as claimed in claim 1, characterized in that the first unit (1) is a part of an apparatus, particularly a remote control unit.

12. A security system as claimed in claim 1, characterized in that the key record
20 (4) is supplied during or before a network configuration, particularly an automatic network configuration, of an apparatus (2).

13. A security system as claimed in claim 10, characterized in that the key record (4) and the guest key record (17) comprise characterizing bits which are provided for
25 distinguishing between key records (4, 17) and other bit sequences and characterize bit sequences as key record (4) or as guest key record (17).

14. A security system as claimed in claim 8, characterized in that the apparatus (2) is provided for erasing the guest key record (17).

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15. A security system as claimed in any one of claims 1 to 14, characterized in that the apparatus (2) is provided for authentication and encryption of useful data to be transmitted between the apparatuses of the network by means of a key comprised in the key record (4, 17).

16. A security system as claimed in any one of claims 1 to 14, characterized in that the apparatus (2) identifies its association with a wireless network by means of a key comprised in the key record (4, 17).

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17. A portable unit (1) for installing a shared key in at least one apparatus (2) of a wireless network comprising a memory for storing a worldwide unambiguous key record (4) which is provided for short-range information transmission of the key record.

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18. An electric apparatus (2) with a receiving unit (7) comprising a receiver (9) for receiving a key record (4) and an evaluation component (11) of the apparatus (2) for storing, processing and/or passing on the key record or a part of the key record to a second component (10).